

ENGINE OVERHAUL

Oil Pan Removal FORD - 6-CYLINDER ENGINES

REMOVAL & INSTALLATION

4.9L

Bronco & Pickup Models

1. Drain crankcase and cooling system. Remove radiator. On California vehicles, disconnect hoses to air by-pass/air control valve and remove valve.
2. On all vehicles, raise vehicle on hoist. Remove starter. Remove front engine mount nuts. Raise front of engine with transmission jack.
3. Place 1" blocks of wood under engine mounts. Lower engine onto blocks and remove transmission jack.
4. Remove oil pan bolts and lower pan to crossmember. Remove oil pump inlet tube bolts and lay tube in bottom of pan. Remove oil pan.

Van Models

1. Remove engine cover, air cleaner and carburetor. If equipped with air conditioning, discharge refrigerant and remove compressor.
2. Remove EGR valve. On E350 models, remove thermactor check valve. On all models, remove upper radiator hose. Remove fan shroud.
3. If equipped with automatic transmission remove transmission fill tube. On all models, remove exhaust pipe-to-manifold bolts.
4. Raise vehicle on hoist. Disconnect and plug fuel pump inlet line. Remove alternator heat shield and front engine mount nuts.
5. Disconnect lower radiator hose and transmission cooler lines. Remove power steering return line clip located in front of crossmember.
6. Remove starter and engine oil dipstick tube. Raise engine and place 3" blocks under engine mounts. Lower engine and remove jack.
7. Remove oil pan bolts. Remove oil pump pickup tube and screen from oil pump. Remove oil pan.